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AR-20

Highly exothermic and insulating material in prefabricated sleeves form for iron and steel casting.

Properties and use:

AR-20 is the material used by Manguitos Arrosi in the manufacturing of sleeves with diameters under or equal to 100 mm., intended for feeding of pieces melted in iron, steel and all of the alloys of these metals.

The manufacturing process of sleeves in AR-20 quality ensures low density products between 0,40 g/cm³ and 0,60 g/cm³, granting them a high insulation grade and, at the same time, a temperature peak over 1600°C as result of the exothermic reaction.

The sleeves made of AR-20 compound have been designed to be used by hand moulding in castings of iron, steel and all of the alloys of these metals:

- Carbon steel
- High and low alloy steel
- Stainless steel
- Hadfield steel
- Malleable iron
- Grey iron
- Nodular iron
- High and low alloy iron

It is not recommended the use of these sleeves in non ferrous metals castings (aluminium, copper, all of the alloys of these metals, ...).

Shapes and Sizes:

Manguitos Arrosi shapes the exothermic and insulating sleeves made of AR-20 compound in several shapes and sizes. Most usual shapes are:

- Open cylindrical riser sleeves
- Neck down sleeves
- Domed riser sleeves
- Semiprecise sleeves
- Domed neck down K sleeves, in one piece¹
- Spherical F sleeves, in one piece¹
- Spherical K sleeves, in one piece¹

Shape and size customization¹ is also available in order to fit customer requirements and needs.

For further details, see the AR-20 sleeves catalogue.

Storage

Keep in a dry place, under roof.

Precautions

Keep away from intense heat sources that can ignite it. In case of accidental ignition, put out with silica sand. Do not use water.

¹ on demand